

National Electrical Safety Code® Course Program

Online courses based on the NESC® 2017

Available on IEEE *Xplore*®

NESC 2017 Course Program

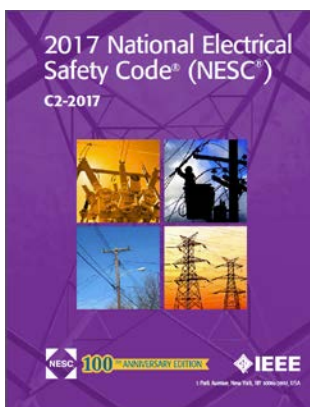
IEEE has developed a series of online courses to educate power utility professionals on the rules, regulations, and changes in the 2017 edition of the National Electrical Safety Code (NESC). Taught by industry leaders who helped write the standard, this course program takes an in-depth look at the NESC and covers the Code in its entirety. Topics discussed include:

- NESC Overview
- 2017 Updates and Changes
- Supply Station Safety
- Grounding
- Overhead Requirements
- Underground Requirements

The NESC is updated every five years to account for innovations in technology and new challenges confronted on the field. It is essential that utility workers, regulators, and other related personnel are trained on these changes to ensure their facilities are properly safeguarded.

Who should take these courses?

Individuals who are responsible for the installation, operation, maintenance, or safety regulation of electric supply and communication utility systems.



About the NESC

The National Electrical Safety Code sets the ground rules for safeguarding utility workers and the public during the installation, operation, and maintenance of electric supply stations and communication lines.

The NESC is the consensus standard under procedures approved by the American National Standards Institute. It is leveraged throughout the United States and approximately 100 countries worldwide.

NESC 2017 Course Program Quick Facts

Develop the skills and knowledge needed to succeed:

Six courses that dive into every aspect of the NESC and show how to apply the various rules and regulations in real-world situations

Delivered via IEEE *Xplore*, with its mobile-friendly design and powerful search features

Printable individual CEU or PDH certificates upon the successful completion of a course

Professionally developed multimedia courses

Option to purchase multiple courses at a discounted price (based on availability)

Courses are sold with perpetual access

Other NESC products available:

- 2017 NESC Code
- 2017 NESC Handbook

For a custom quote, contact an IEEE Sales Representative.

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NESC 2017 Course Listing:

Changes to the NESC 2017 Edition

This course provides insight and background on the various updates to the 2012 NESC that is now the 2017 Edition. Several changes to existing rules were introduced to keep the Code relevant, and to maintain its resiliency.

Introduction to Grounding

This course covers grounding requirements and grounding methods of the NESC that are to be applied to electric supply and communication utility systems.

NESC 2017: Work Rules for the Operation of Electric Supply and Communications Lines and Equipment

This course covers work rules to be followed in the installation, operation, and maintenance of electric supply and communications systems.

NESC 2017: Rules for Installation and Maintenance of Electric Supply Stations

This course provides a baseline understanding of the NESC Part 1. Topics covered include:

- Key considerations for electric supply stations and equipment
- How to interpret a clearance table similar to NESC Table 124-1
- Key requirements for transformers and regulators in supply stations
- Key requirements for circuit breakers, switches, and fuses in supply stations
- Key requirements for switchgear

NESC 2017: Safety Rules for Installation and Maintenance of Overhead Electric Supply

This course provides a baseline understanding of the NESC Part 2. Topics covered include:

- Different classes of lines and equipment and how to identify conflicts
- Philosophy for joint-use consideration
- Requirements for installing communication lines and equipment
- Requirements for installing supply lines and equipment
- Key terms, clearance requirements, spans, and sags
- Factors affecting, and methods of, determining conductor temperature

NESC 2017: Safety Rules of the Installation and Maintenance of Underground Electric Supply

This course provides a baseline understanding of the NESC Part 3. Topics covered include:

- Underground lines, equipment, and tunnels
- Conduit, cable, supply, and communication systems
- The construction and termination of supply cables
- Installation of cables in underground structures

Try a FREE sample course!

Introduction to the National Electrical Safety Code (NESC)

This free, open access course provides a basic overview of the NESC and discusses its purpose, scope, and history.

Contact your IEEE Sales Representative for details.

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IEEE Continuing Education Units (CEUs) and Prof. Development Hours (PDHs)

All courses are peer-reviewed by content experts, a process that guarantees both the quality of the technical content as well as adherence to strict IEEE criteria for educational excellence. As a CEU provider, IEEE can offer CEUs for any IEEE learning activity running at least one hour in duration. IEEE CEUs can also be converted into the PDHs needed to meet recertification requirements for professional certifications or licenses.

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